

FIG.2

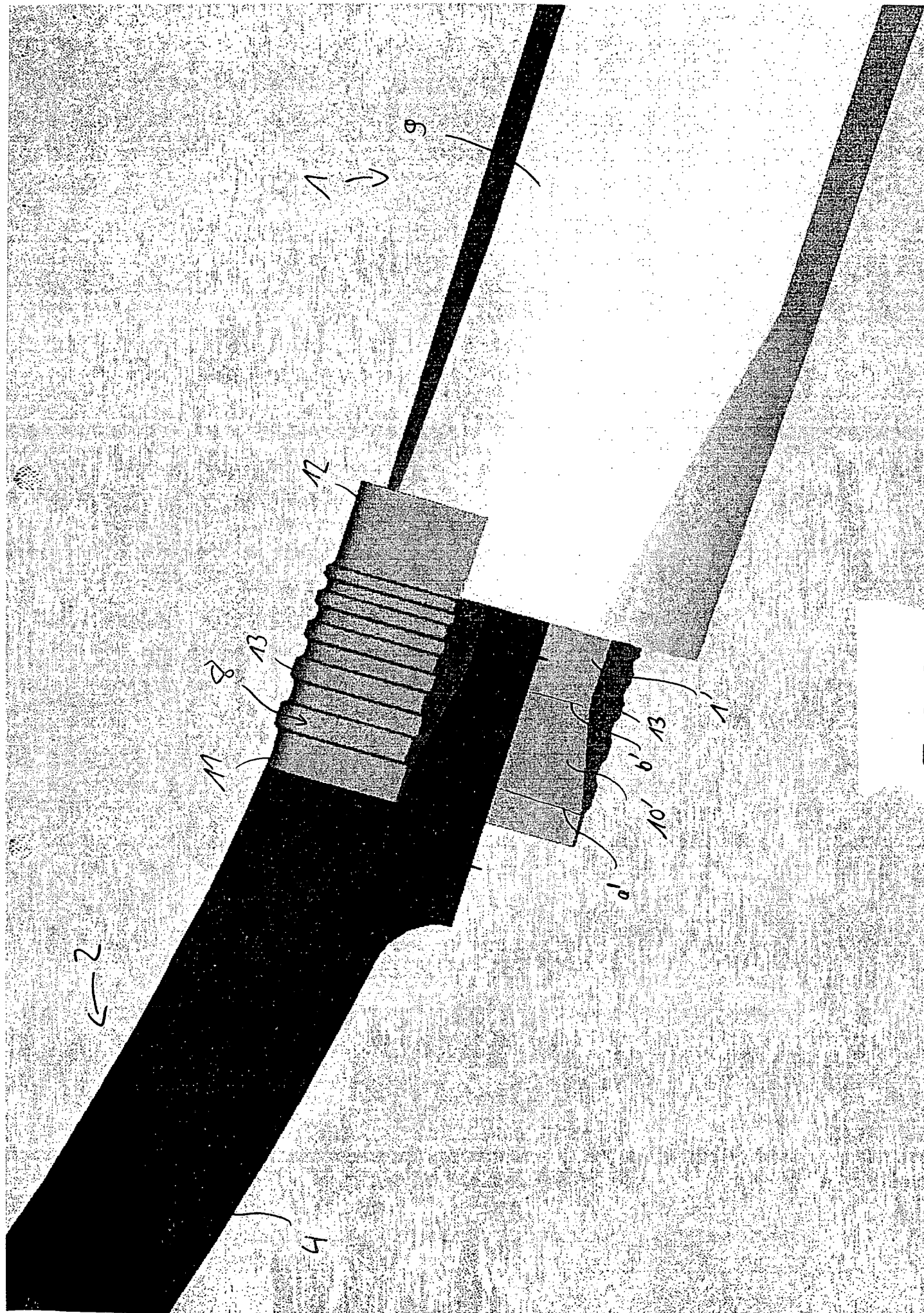


FIG.3

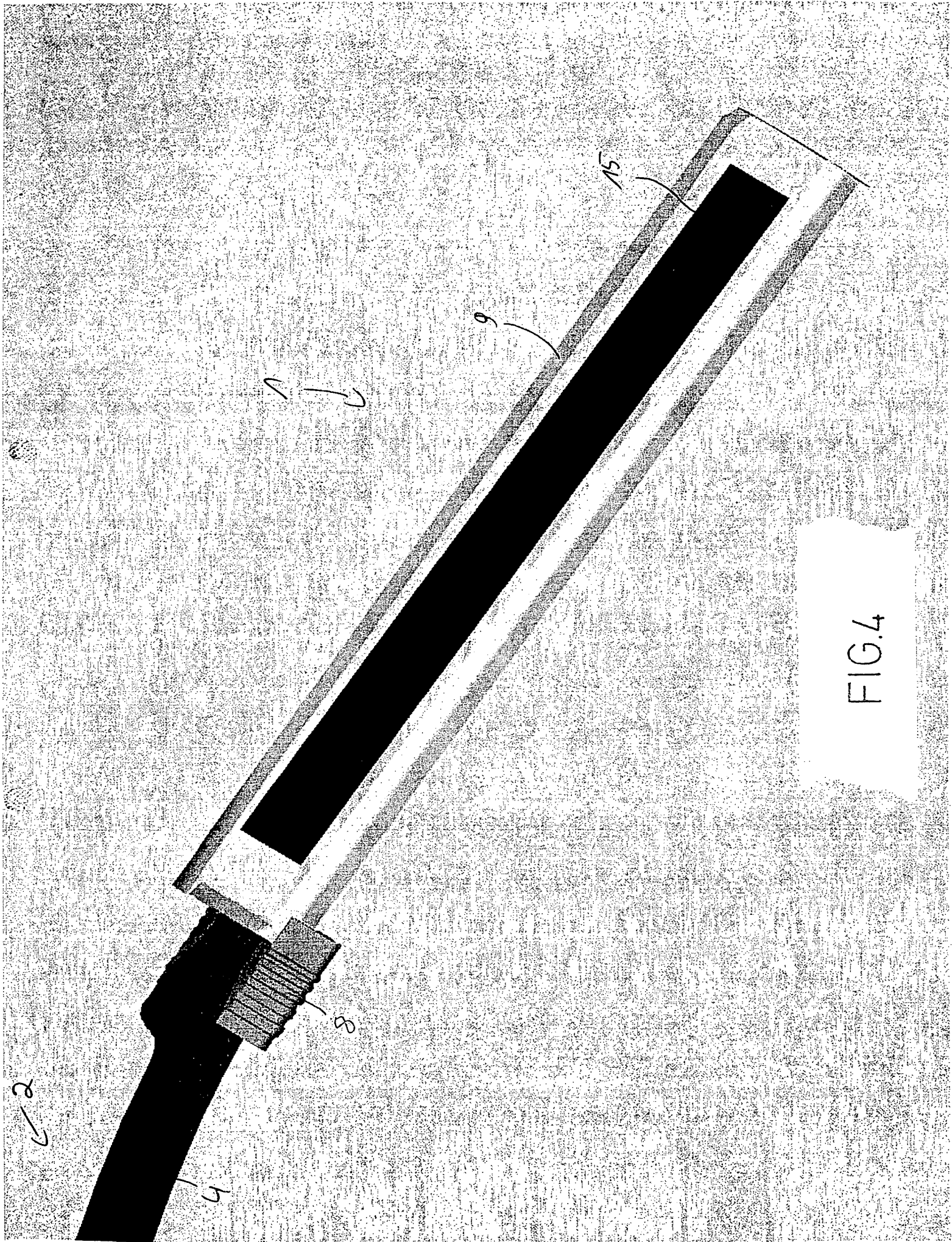


FIG. 4

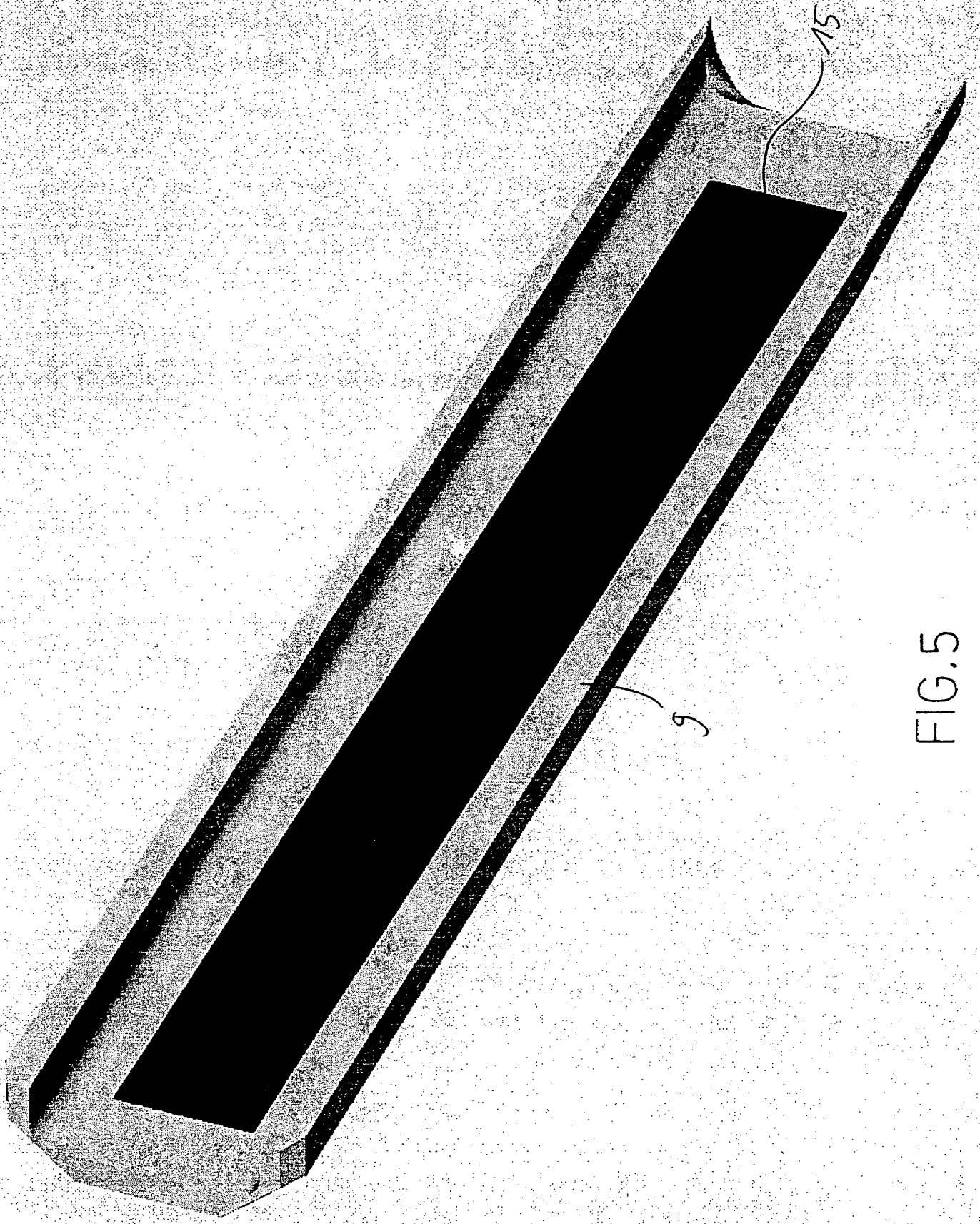
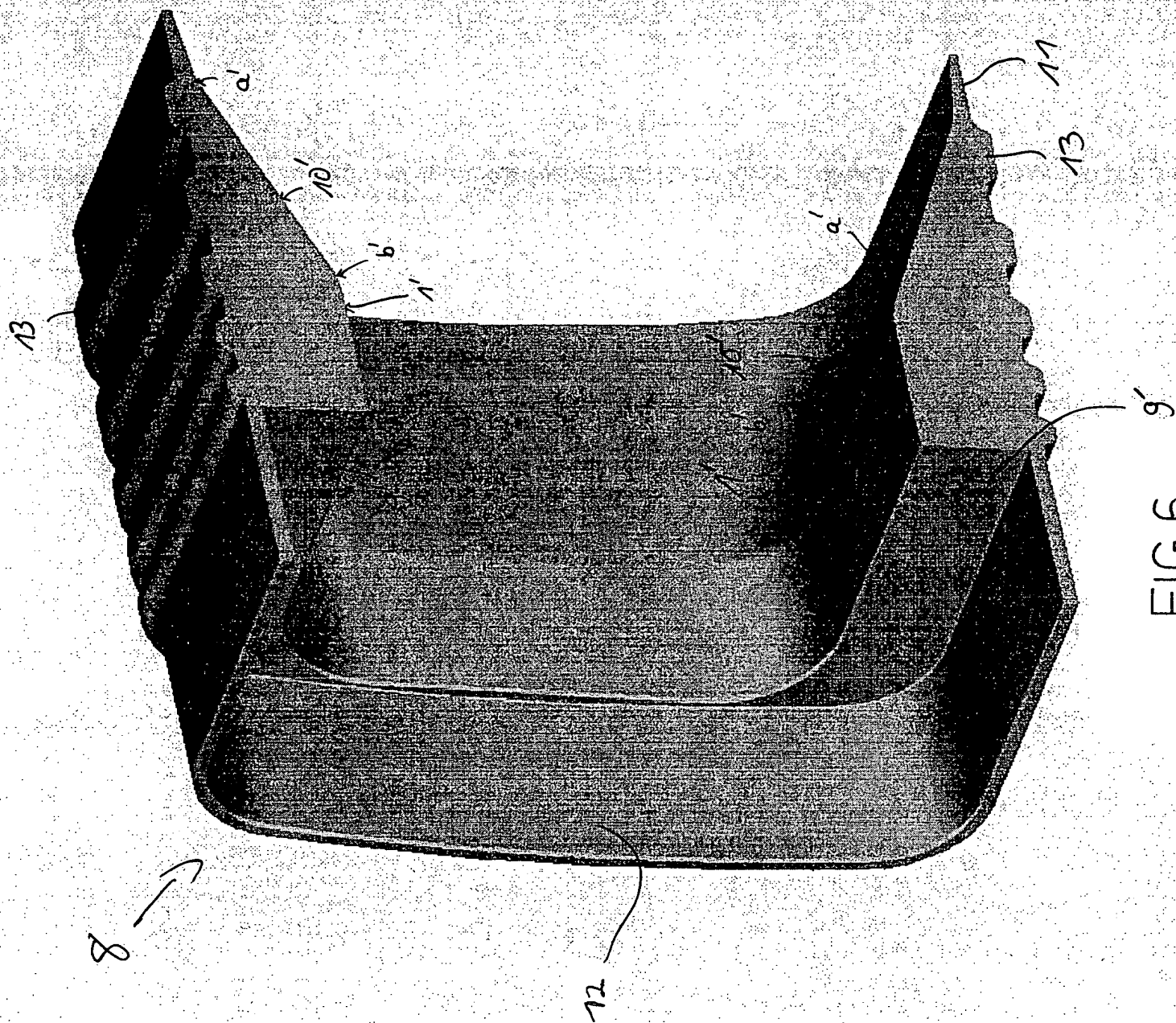
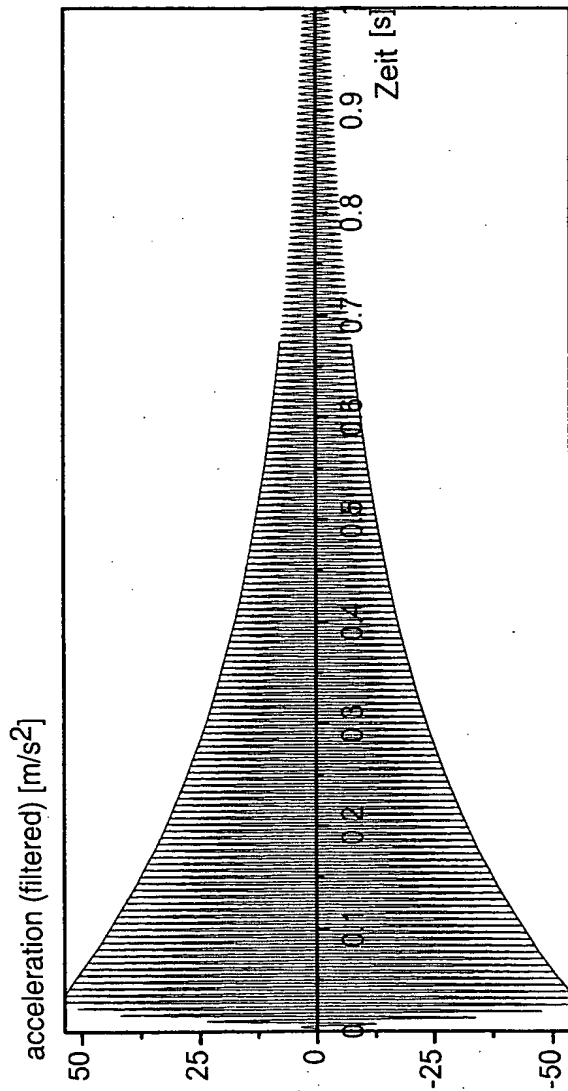


FIG.5



6.6E

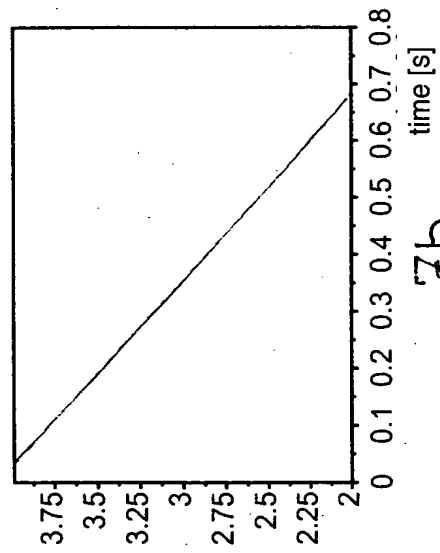


Handle with dampening

7a

damping ratio, calculated on the basis of a filtered signal

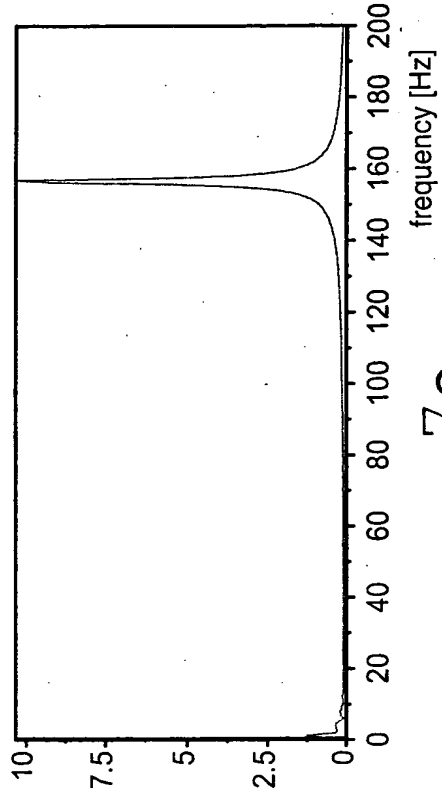
A-ln(delta)



7b

free vibration
natural frequency 156.9 Hz
amplitude 10.34
delta = 3.07
damping ratio = 0.0031

Ampl_Peak []



7c

FIG.7

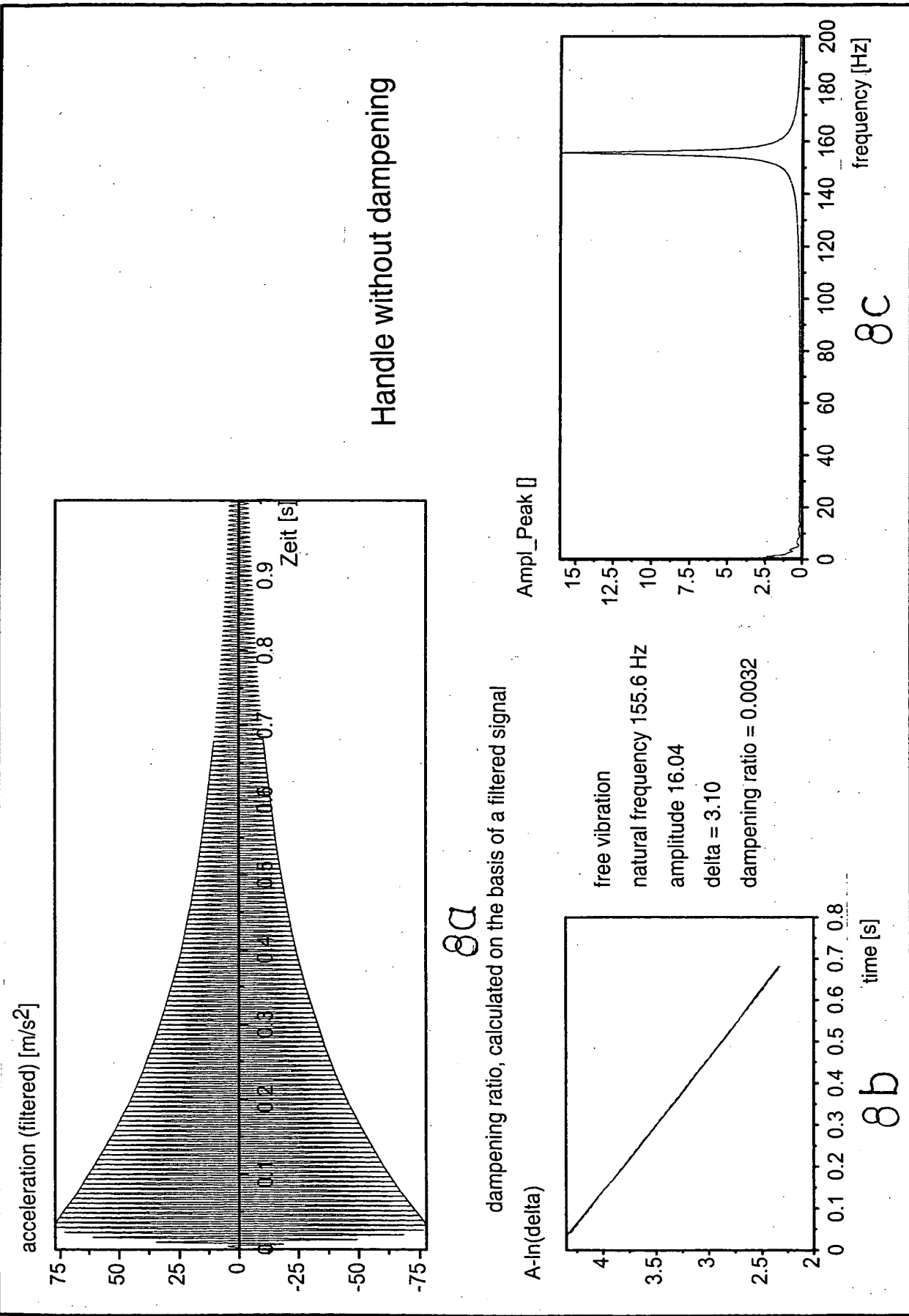


FIG.8

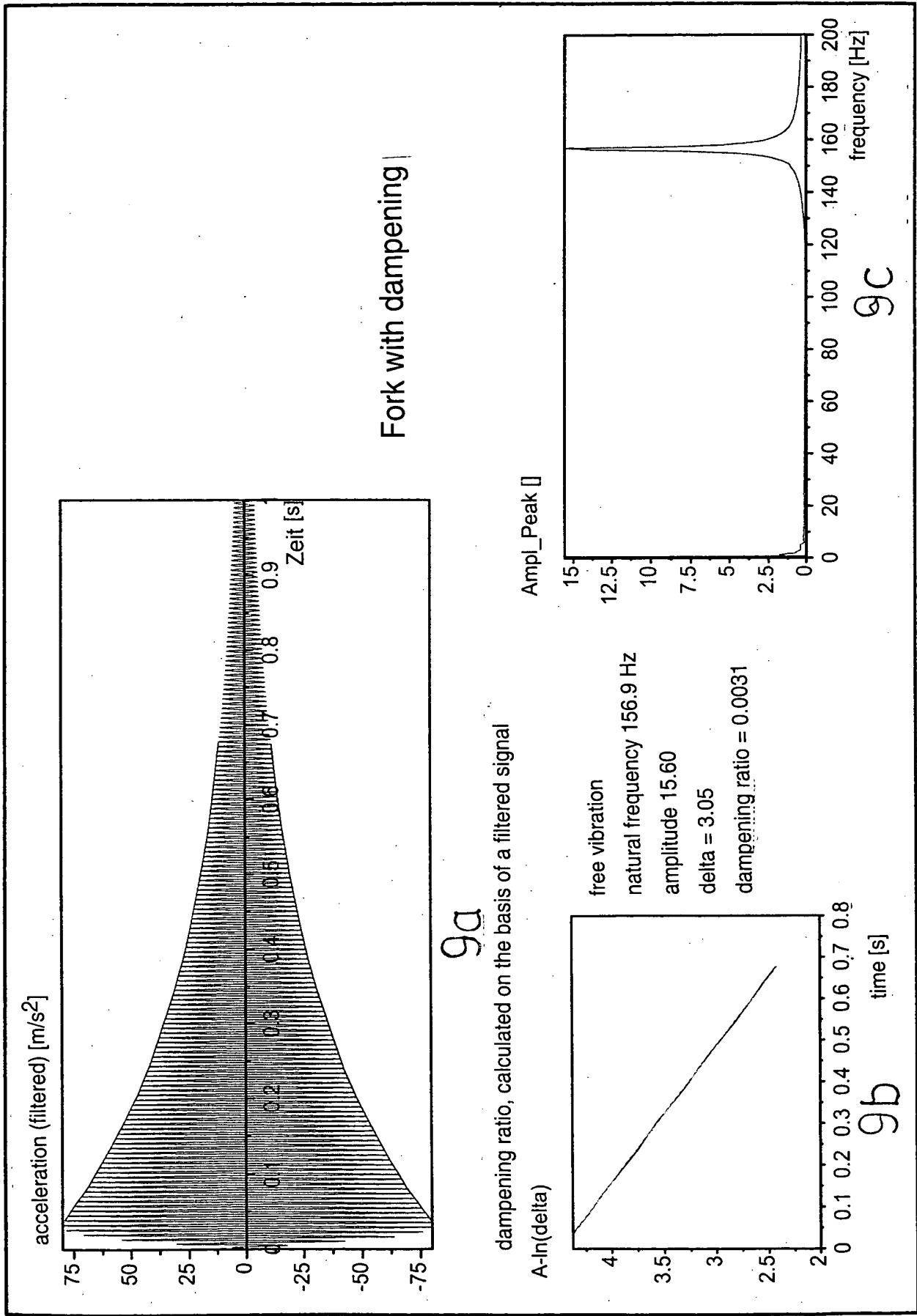


FIG.9

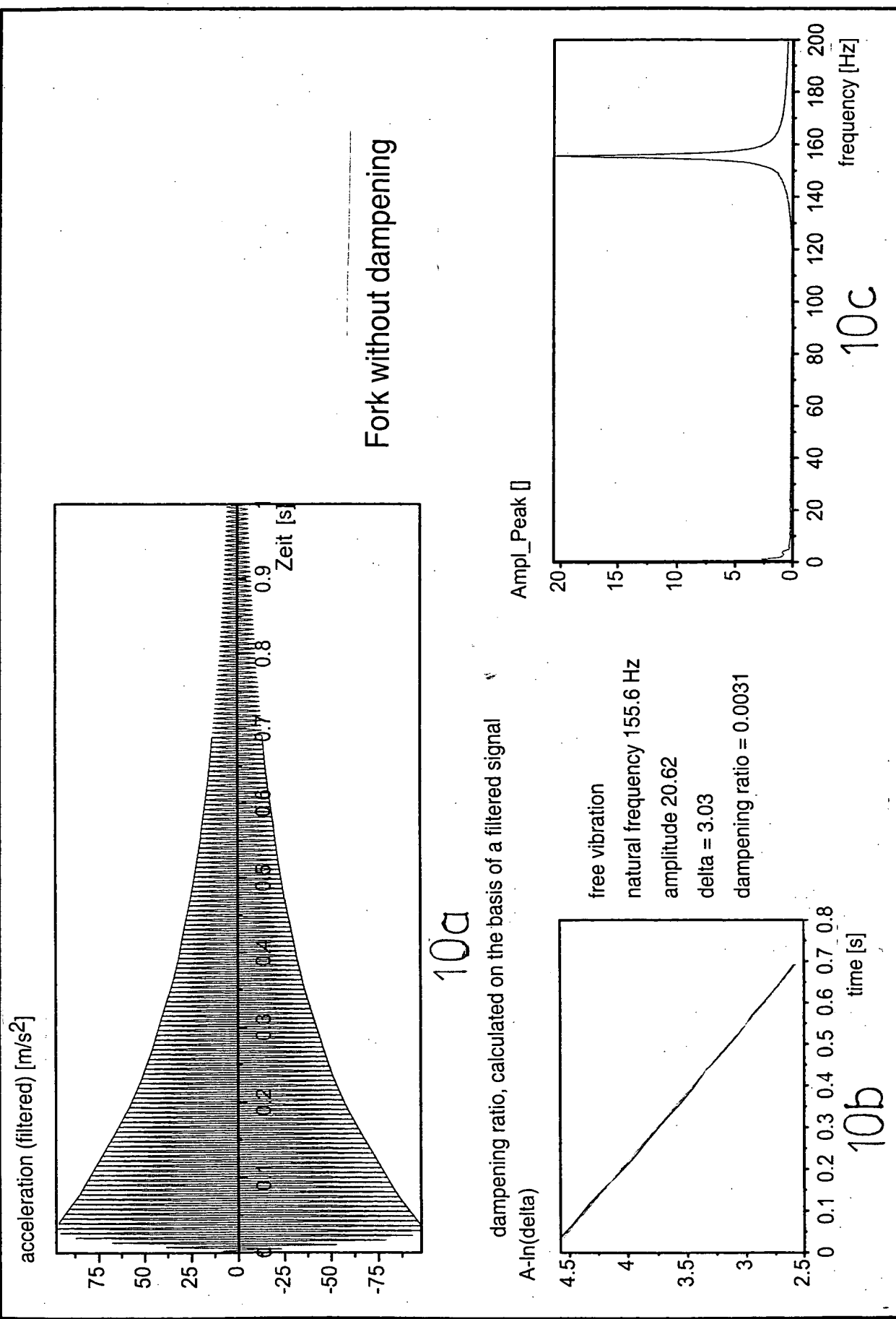


FIG.10

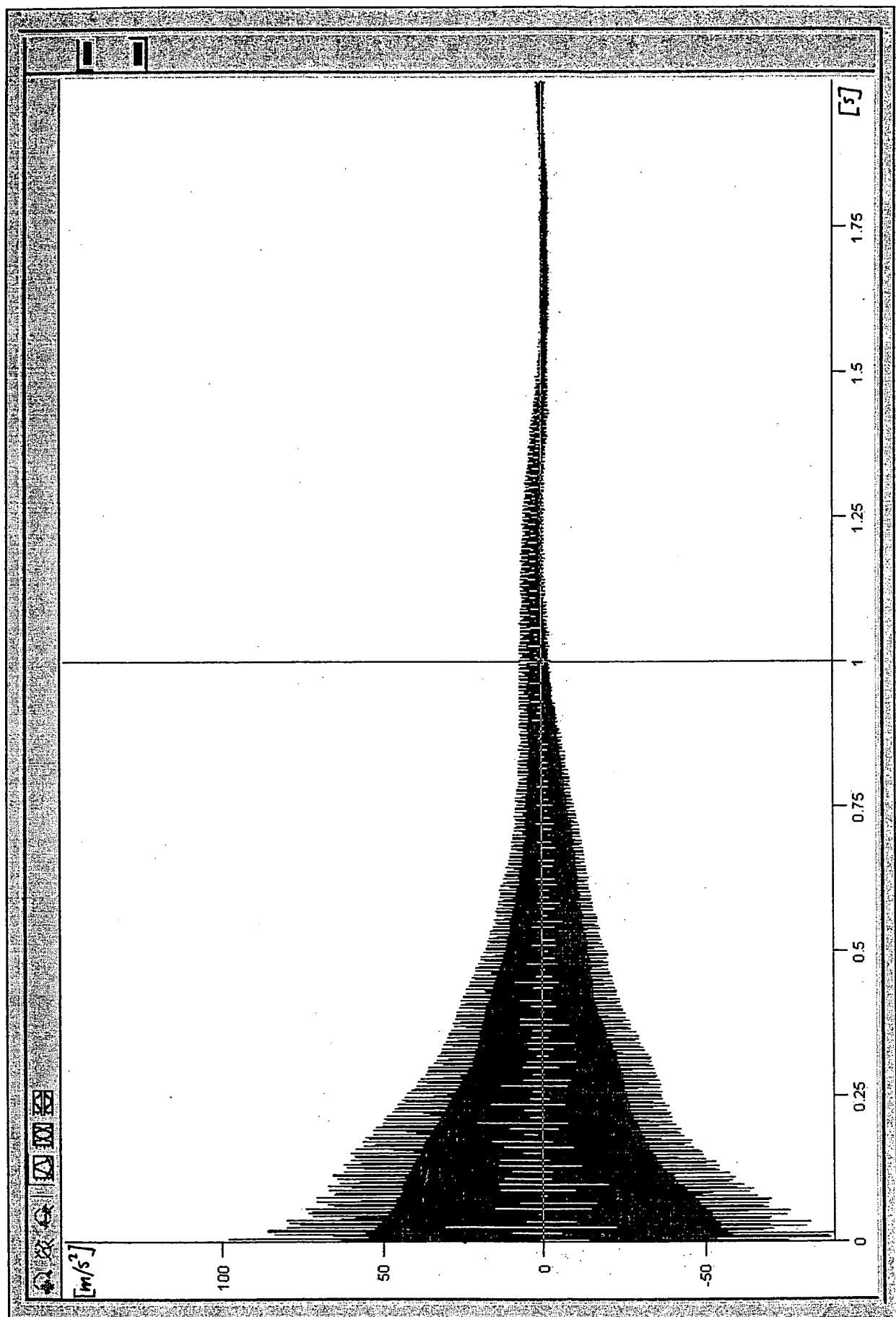


FIG.11